

Supplementary Information

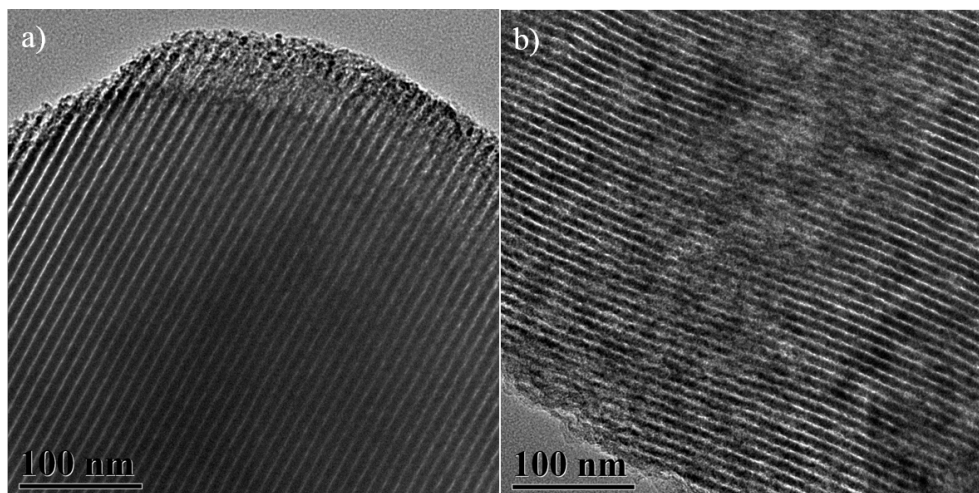


Figure S1. TEM images of (a) SBA-15; (b) C-PA-900.

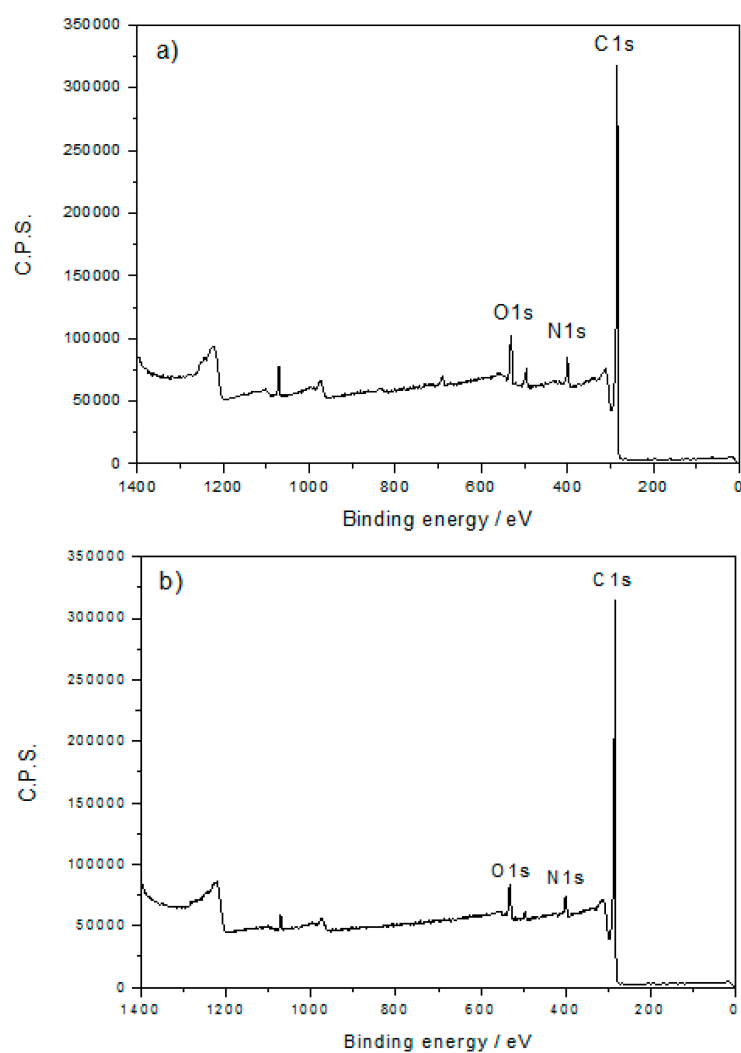


Figure S2. *Cont.*

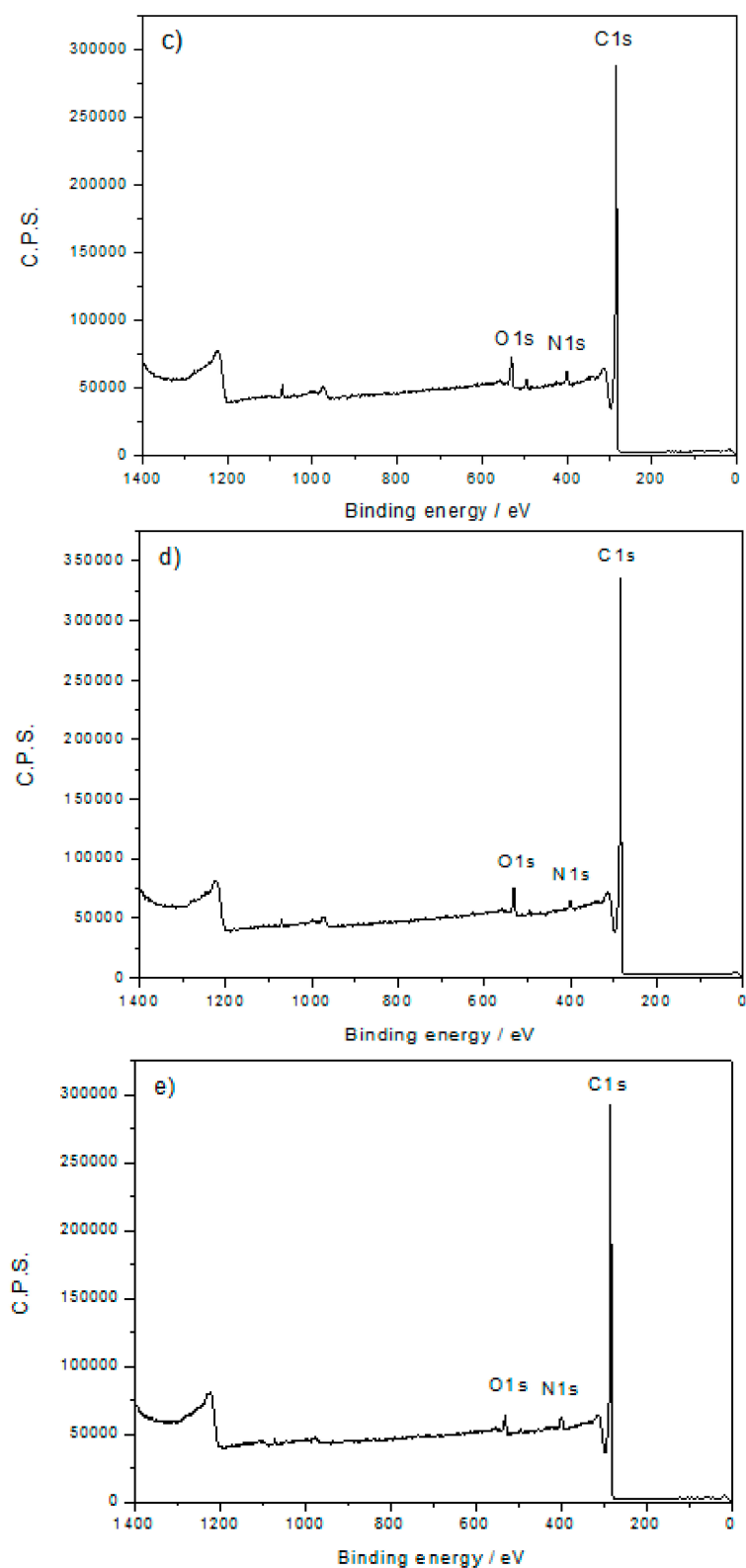


Figure S2. XPS survey spectra of following carbon materials: (a) C-PA-800; (b) C-PA-900, (c) C-PA-1000; (d) C-PA-1100; and (e) C-PA-1000-NH₃.

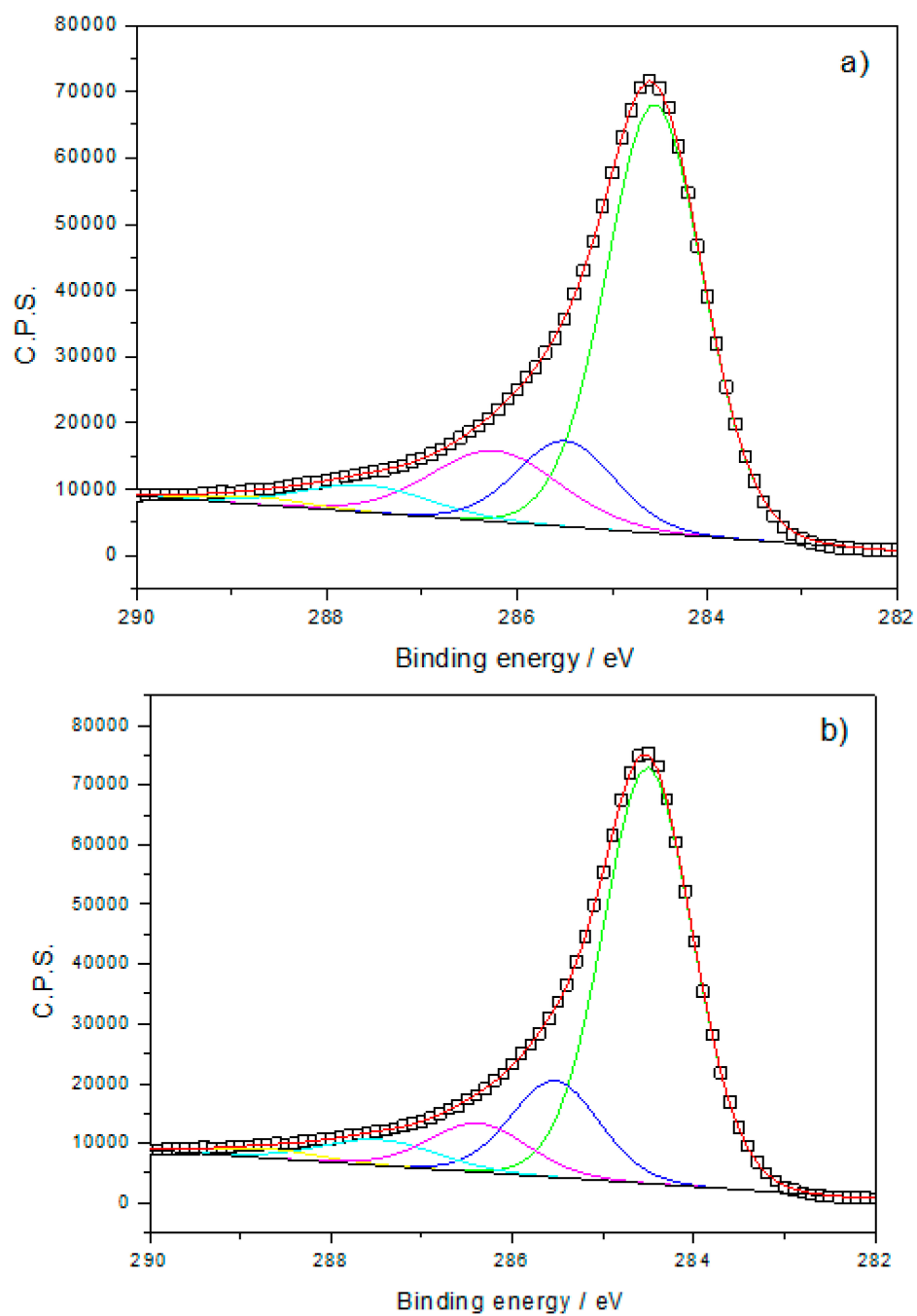


Figure 3. *Cont.*

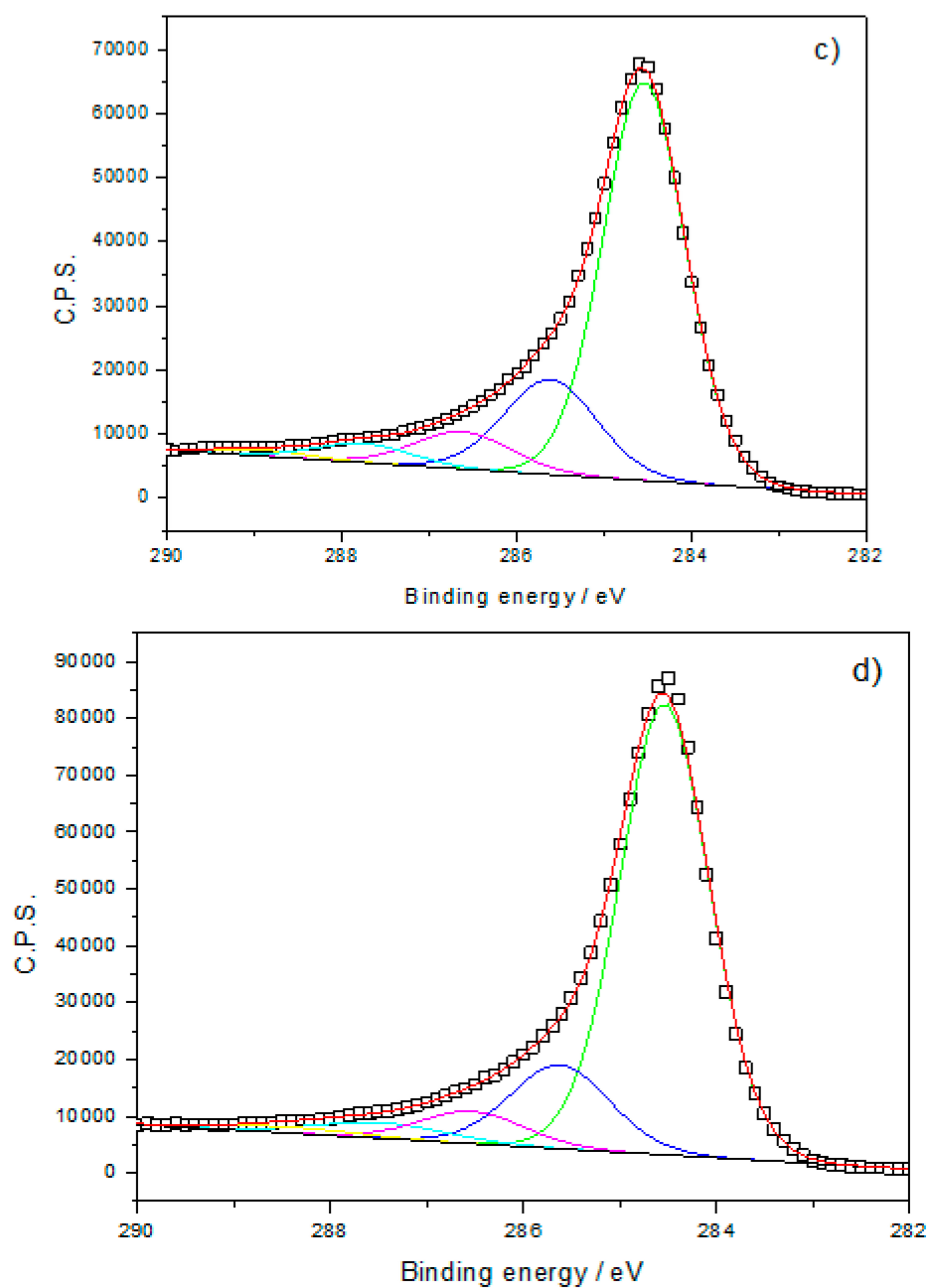


Figure 3. Cont.

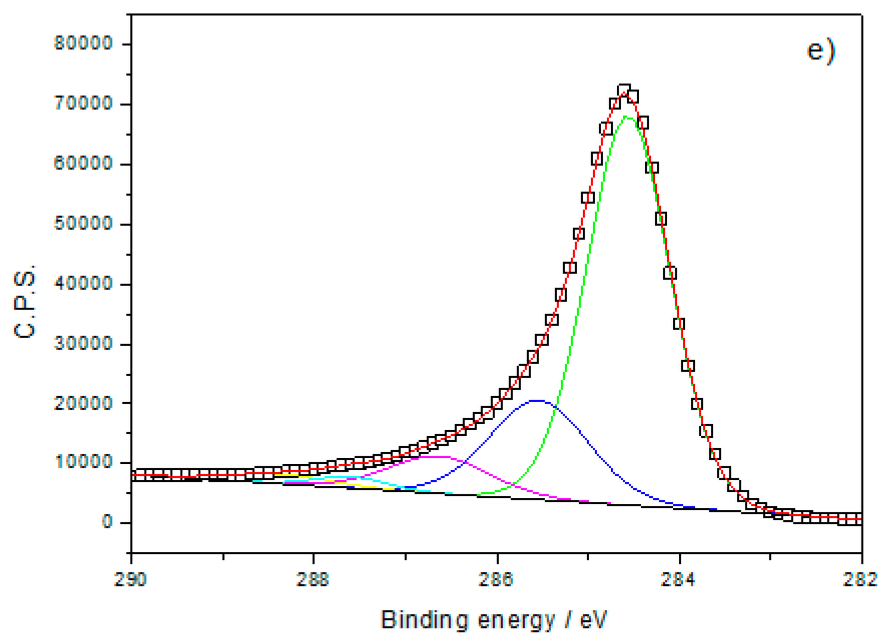


Figure S3. C 1s peak and the peak fitting results of the following materials: (a) C-PA-800, (b) C-PA-900; (c) C-PA-1000; (d) C-PA-1100; and (e) C-PA-1000-NH₃.

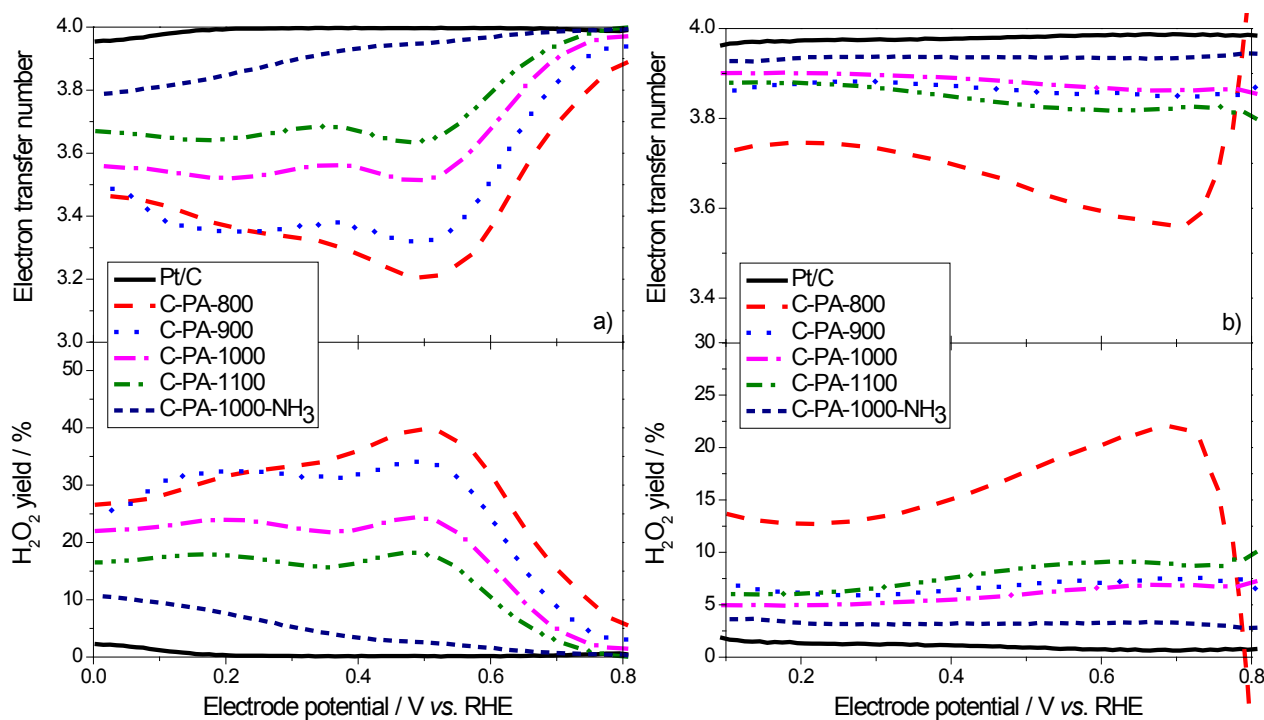


Figure S4. Electron transfer number and H₂O₂ yield: (a) O₂-saturated 0.10 M KOH solution, (b) O₂-saturated 0.10 M HClO₄ solution.